

Archer II Emergency Procedures



3/03

•Engine Fire During Start

Starter.....crank engine
Mixture.....idle cut-off
Throttle.....open
Fuel Pump.....OFF
Fuel Selector.....OFF
if unsuccessful, abandon

•Engine Power Loss In Flight

Establish glide76 KIAS
Fuel Selector.....switch tanks
Fuel Pump.....ON
Mixture.....rich
Carburetor heatON
Engine gauges.....check for cause
Primerlocked
if not restored, 121.5, transponder 7700
if restored, clean:
Carburetor heatOFF
Fuel Pump.....OFF

•Power Off Landing

Ignition.....OFF
Master SwitchOFF
Fuel selector.....OFF
Mixture.....idle cut-off
Seat belts.....tight
Flaps.....as necessary

•Fire In Flight

Source of firecheck

Electrical Fire (smoke in cabin):

Master SwitchOFF
Ventsopen
Cabin Heat.....OFF
Land as soon as possible

Engine Fire:

Fuel selector.....OFF
Throttle.....closed
Mixture.....idle cut-off
Fuel Pump.....OFF
Heater.....OFF
DefrosterOFF
proceed with POWER OFF LANDING

•Loss of Fuel Pressure

Fuel Pump.....ON
Fuel Selector.....Fullest Tank

•Alternator Failure

Verify Failure
Reduce Electrical Load as much as possible

Alternator Circuit Breakers.....Check
Alternator Switch.....Off (for 1 second)
then ON

•Spin Recovery

Throttle.....idle
Ailerons.....neutral
Rudder.....full opp. direction of rotation
Control Wheel.....full forward
Rudder.....neutral (when rotation stops)
Control Wheel.....regain level flight

•Open Door

Slow to 86 KIAS
Cabin ventsclosed
Storm Window.....open
Door.....latch side latch first

•Carburetor Icing

Carburetor heatON
Mixture.....adjust max smooth

Useful V-speeds

VX.....64 KIAS
VY.....76 KIAS
VFE.....102 KIAS
VS049 KIAS
VS155 KIAS
VNO125 KIAS
VNE.....154 KIAS
VA113 KIAS-2550 lbs.
Best glide76 KIAS